

2004 Water Quality Assessment (Final) - Category 5 Listings for WRIA 26

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information	Parameter	Medium
				Basis		Remarks	
26	22184	5	N	1918 CREEK	MJ08JW 0.003 11N 07E 34	Temperature	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 18.7 degrees C from continuous measurements collected during 2002 at the station called '1918 Creek at Greenhorn Creek confluence'.			
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 19 degrees C from continuous measurements collected during 2001 at the station called '1918 Creek at Greenhorn Creek confluence'.			
26	34976	5	N	ARKANSAS CREEK	WF06LS 2.801 09N 02W 09	Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 21.8 degrees C, with a maximum daily temperature of 23 degrees C from continuous measurements collected in 2002 at Arkansas Creek - Above Delameter.			
26	34977	5	N	ARKANSAS CREEK	WF06LS 1.128 09N 02W 16	Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 21.7 degrees C, with a maximum daily temperature of 22.9 degrees C from continuous measurements collected in 2002 at Arkansas Creek - Below Delameter.			
26	34981	5	N	ARKANSAS CREEK	WF06LS 9.433 10N 02W 31	Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 18.9 degrees C, with a maximum daily temperature of 20.4 degrees C from continuous measurements collected in 2002 at Arkansas Creek - Upper.			
26	7790	5	Y	BAIRD CREEK	WA62BY 0.151 08N 02E 18	Temperature	Water
				Sullivan, et al. 1990 , 13 excursions beyond the criterion measured in 1988.		Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
26	22199	5	N	CISPUS RIVER	FB00IP	12.937	11N	07E	19	Temperature	Water	
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.1 degrees C from continuous measurements collected during 2000 at the station called 'Cispus River above Iron Creek'.												
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.5 degrees C from continuous measurements collected during 2002 at the station called 'Cispus River near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.9 degrees C from continuous measurements collected during 2001 at the station called 'Cispus River near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.1 degrees C from continuous measurements collected during 2000 at the station called 'Cispus River near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 14.76 degrees C from continuous measurements collected during 1999 at the station called 'Cispus River near Forest Boundary'.												
26	21538	5	N	COLUMBIA RIVER	NN57SG	46122A8F7	46.055	122.875		Temperature	Water	
Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedances of the numeric temperature criteria of 20°C at RM 71.9 in 2002 and 2003.												
Northwest Pulp and Paper Association presented rationale												
a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and												
associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.												
26	7795	5	Y	COWEEMAN RIVER	ON59SG	13.709	07N	01W	04	Temperature	Water	
Sullivan, et al. 1990 , numerous excursions beyond the criterion at Andrews Ranch Site during 1988.												
Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
26	34973	5	N	COWEEMAN RIVER	ON59SG	10.746	08N	01W	32	Temperature		Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 23.4 degrees C, with a maximum daily temperature of 25.1 degrees C from continuous measurements collected in 2002 at Coweeman - Lower.								
26	34974	5	N	COWEEMAN RIVER	ON59SG	16.645	08N	01W	34	Temperature		Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 22.7 degrees C, with a maximum daily temperature of 24.3 degrees C from continuous measurements collected in 2002 at Coweeman - Below Goble Creek.								
26	34979	5	N	COWEEMAN RIVER	ON59SG	24.914	08N	01W	13	Temperature		Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 20.9 degrees C, with a maximum daily temperature of 22 degrees C from continuous measurements collected in 2002 at Coweeman - Upper.								
26	17163	5	N	COWLITZ RIVER	EG25YW	44.241	11N	02W	28	4,4'-DDE		Tissue
				Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Oncorhynchus clarkii collected on 9/20/1995 at station COWLRV (COWLITZ RIVER NORTHEAST OF VADER).								
				Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a composite of 5 fillets of Prosopium williamsoni collected on 9/20/1995.								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
26	16769	5	N	COWLITZ RIVER	EG25YW	7.582	08N	02W	27	Fecal Coliform		Water
Hallock (2004), Dept. of Ecology ambient station 26B070 meets tested standards for fecal coliform.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 60 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 12 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 12 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 1999.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 23 does not exceed the criterion and that 14% of the samples exceeds the percentile criterion from 14 samples collected during 1998.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 22 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 30 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 5 samples collected during 1996.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 9 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1995.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 16 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 1994.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 13 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1993.												
26	6586	5	N	COWLITZ RIVER	EG25YW	7.582	08N	02W	27	Temperature		Water
Dept. of Ecology unpublished data from core ambient monitoring station 26B070 (Cowlitz R. at Kelso) shows a 7-day mean of daily maximum values of 19.2 for mid-week 10 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (COWLITZ RIVER AT KELSO) shows 0 excursions beyond the criterion out of 61 samples collected between 1993 - 2001												
26	17164	5	N	COWLITZ RIVER	EG25YW	44.241	11N	02W	28	Total PCBs		Tissue
Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Oncorhynchus clarkii collected on 9/20/1995 at station COWLRV (COWLITZ RIVER NORTHEAST OF VADER).												
Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fillets of Prosopium williamsoni collected on 9/20/1995 at station COWLRV (COWLITZ RIVER NORTHEAST OF VADER).												

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				Basis								
26	7796	5	Y	EAST CANYON CREEK	TV32WL	1.041	10N	09E	20	Temperature		Water
36 excursions beyond the criterion sampled by Gifford Pinchot National Forest at Road 2322 crossing in 1994 (submitted by Curry Jones-EPA on 11/22/95).												
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.6 degrees C from continuous measurements collected during 2001 at the station called 'East Canyon Creek above Rd 2322'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.4 degrees C from continuous measurements collected during 2000 at the station called 'East Canyon Creek above Rd 2322'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 15.9 degrees C with 40 days that exceeded the criterion from continuous measurements collected during 2002 at the station called 'East Canyon Creek above Rd 2322'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 14.34 degrees C from continuous measurements collected during 1999 at the station called 'East Canyon Creek above Rd 2322'.												
26	7797	5	Y	GOBLE CREEK	HN80UO	8.07	08N	01E	34	Temperature		Water
Sullivan, et al. 1990 , 23 excursions beyond the criterion measured in 1988.											Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
26	34978	5	N	GOBLE CREEK	AV22OC	0	08N	01W	34	Temperature		Water
Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 20.5 degrees C, with a maximum daily temperature of 22.2 degrees C from continuous measurements collected in 2002 at Goble Creek.												
26	22222	5	N	GREENHORN CREEK	IU72KL	5.092	11N	07E	34	Temperature		Water
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.1 degrees C from continuous measurements collected during 2001 at the station called 'Greenhorn Creek above 1918 Creek'.												
26	22224	5	N	GREENHORN CREEK	IU72KL	0	11N	07E	15	Temperature		Water
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 18.4 degrees C from continuous measurements collected during 2002 at the station called 'Greenhorn Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 18.8 degrees C from continuous measurements collected during 2001 at the station called 'Greenhorn Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 19.1 degrees C from continuous measurements collected during 2000 at the station called 'Greenhorn Creek at Cispus confluence'.												
Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.9 degrees C from continuous measurements collected during 2001 at the station called 'Greenhorn Creek at Rd 76 crossing'.												

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26	7799	5	Y	HERRINGTON CREEK Sullivan, et al. 1990 , 16 excursions beyond the criterion during 1988.	JJ99IK	0	09N	03E	28	Temperature		Water
											Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
26	7800	5	N	HOFFSTADT CREEK Sullivan, et al. 1990 , 26 excursions beyond the criterion at T19N-R2E-S23 during1988 .	NI54RD	11.698	10N	03E	23	Temperature		Water
											Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
26	22230	5	Y	IRON CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.8 degrees C from continuous measurements collected during 2002 at the station called 'Iron Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.6 degrees C from continuous measurements collected during 2001 at the station called 'Iron Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.4 degrees C from continuous measurements collected during 2000 at the station called 'Iron Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 15.3 degrees C from continuous measurements collected during 1999 at the station called 'Iron Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16 degrees C with 36 days that exceeded the criterion from continuous measurements collected during 2001 at the station called 'Iron Creek at River Mile 1'.	ZZ28OH	0	11N	07E	19	Temperature		Water
26	22237	5	N	LAKE CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.4 degrees C from continuous measurements collected during 1999 at the station called 'Lake Creek near Silver Creek confluence'.	EU65YO	0	13N	07E	27	Temperature		Water
26	22239	5	N	LYNX CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17 degrees C from continuous measurements collected during 1999 at the station called 'Lynx Creek near Silver Creek confluence'.	XT25RE	0	13N	07E	22	Temperature		Water
26	7802	5	Y	MULHOLLAND CREEK Sullivan, et al. 1990 , 4 excursions beyond the criterion measured in 1988.	NA87LM	0	08N	01E	17	Temperature		Water
											Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
26	34980	5	N	OSTRANDER CREEK Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 20.2 degrees C, with a maximum daily temperature of 21.7 degrees C from continuous measurements collected in 2002 at Ostrander Creek - Above South Fork.	BI68ZD	1.069	08N	02W	12	Temperature		Water
26	34975	5	N	OSTRANDER CREEK, S.F. Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 21.5 degrees C, with a maximum daily temperature of 23.3 degrees C from continuous measurements collected in 2002 at South Fork Ostrander Creek.	UZ08OV	0	08N	02W	12	Temperature		Water
26	22253	5	N	PUMICE CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.2 degrees C from continuous measurements collected during 2001 at the station called 'Pumice Creek at Pinto Creek confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 15.5 degrees C with 26 days that exceeded the criterion from continuous measurements collected during 2002 at the station called 'Pumice Creek at Pinto Creek confluence'.	BC37WF	0	10N	07E	24	Temperature		Water
26	7803	5	N	SCHULTZ CREEK Sullivan, et al. 1990 , 27 excursions beyond the criterion during 1988.	SR33SN	0.946	10N	04E	10	Temperature	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
26	7805	5	Y	SILVER CREEK 72 excursions beyond the criterion sampled by Gifford Pinchot National Forest in 1992 and 1993 (submitted by Curry Jones-EPA on 11/22/95); Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.1 degrees C from continuous measurements collected during 2002 at the station called 'Silver Creek near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.6 degrees C from continuous measurements collected during 2001 at the station called 'Silver Creek near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17 degrees C from continuous measurements collected during 2000 at the station called 'Silver Creek near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16 degrees C with 47 days that exceeded the criterion from continuous measurements collected during 1999 at the station called 'Silver Creek near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.5 degrees C from continuous measurements collected during 2001 at the station called 'Silver Creek 1/2 mile above Mary Kiona Park'.	CT81WJ	1.46	12N	07E	10	Temperature	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
26	22257	5	N	SILVER CREEK Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.8 degrees C from continuous measurements collected during 2001 at the station called 'Silver Creek Above East Fork Silver Crk'.	CT81WJ	3.456	12N	07E	03	Temperature		Water